

**The Probable Contribution of the Coronal Holes
Peripheral Structures to the Coronal Mass Ejections**

LUO Baorong

*Yunnan Astronomical Observatory,
Chinese Academy of Sciences, Kunming 650011*

The probable relation of 140 coronal mass ejections (CMEs) obtained by Satellite SMM in 1980, 1984, and 1989 and the peripheral structures of coronal holes, flares and eruption prominence events was analysed in this paper. The result shows that the relation of CME with the peripheral structures of coronal holes is most close. CME with equatorial coronal holes have a synchronous long-range evolutionary relation. Judging from this, it can't be ignored that the peripheral structures of coronal holes are an important background factor for the occurrence of a CME.

Key words: CME; Peripheral Structures of Coronal Holes; Relative Analyse